

**CLASS TITLE:                   LICENSED STEAMFITTER  
(ADULT CORRECTIONAL INSTITUTIONS)**

**Class Code: 02343400  
Pay Grade: 17G  
EO: G**

**CLASS DEFINITION:**

**GENERAL STATEMENT OF DUTIES:** In the Adult Correctional Institutions, to install, inspect, maintain and repair piping systems fittings and related equipment for the conveyance and use of steam, hot water, gas, oil, air, acids and other fluids; to keep tools and equipment in working condition; and as required, to train and supervise institutional inmates engaged in the use of various tools, equipment and skills of the steamfitting and pipefitting trades; and to do related work as required.

**SUPERVISION RECEIVED:** Receives work assignments from a superior with considerable latitude for the use of independent judgment in the application of the practices and techniques of the trade; work is reviewed usually upon completion for satisfactory performance.

**SUPERVISION EXERCISED:** As required, supervises the work of helpers and inmates assigned to assist.

**ILLUSTRATIVE EXAMPLES OF WORK PERFORMED:**

In the Adult Correctional Institutions, to lay out and supervise the work of assigned helpers and/or inmates engaged in the installation, repair and alteration of all types of piping systems, fittings, and related equipment.

To perform such duties in connection with low and high pressure steam, hot water, air and gas systems for heating, ventilation and other purposes.

To install, repair and alter pipe lines, valves, traps and pumps.

To adjust and repair thermostatic heat control systems.

To plaster and paint structures through which piping systems run.

To weld and solder various fittings and connections.

As required, to provide helpers and inmates with instructions and practical experience in steamfitting skills; instruction and demonstration of tools and other types of steam and pipefitting materials, and the proper methods of use.

As required, to requisition supplies and tools.

As required, to keep materials and time records.

To do related work as required.

**REQUIRED QUALIFICATIONS FOR APPOINTMENT:**

**KNOWLEDGES, SKILLS AND CAPACITIES:** A thorough knowledge of the practices, techniques, materials, tools and equipment of the steamfitting and pipefitting trades and skill in using the tools of the trade; a thorough knowledge of the methods of laying out piping systems, making joints and the various kinds of valves used; a working knowledge of acetylene welding and cutting; a working knowledge of safety measures and precautions; the ability to work from blueprints and drawings; the ability to work without immediate supervision; a resourcefulness and initiative in handling difficult problems of installation and maintenance of steam and other systems; the ability to supervise and instruct institutional inmate workers; and related capacities and abilities.

## **EDUCATION AND EXPERIENCE:**

Education: Such as may have been gained through: completion of eight school grades; and

Experience: Such as may have been gained through: employment as a journeyman steamfitter.

Or, any combination of education and experience that shall be substantially equivalent to the above education and experience.

SPECIAL REQUIREMENTS: At the time of appointment must be physically qualified to perform assigned duties as evidenced by a physician's certificate; must possess appropriate pipefitter's license and must maintain such license as a condition of employment.

Class Created: February 21, 1993

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